

Assistant Commissioner of Patents Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

The following Form 1449 and copies of each cited document are being filed herewith as an Information Disclosure Statement. Consideration of each of these documents by the Patent Examiner, and the making of each of them of record in the file of this application, are respectfully requested. The ten foreign patent documents are not in English; however it is believed that the concise statement of relevancy is met by the English abstract attached to the front of each document.

The required fee of \$240.00 is being filed herewith. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Deposit Account No. 13-1030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

Dated: 12/23/98 PECEIVED Vincent Yip, Reg. No. 42,245

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FORM PT01449 (REV. 8-83)

U.S. DEPARTMENT OF OMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

SERIAL NO.

TENT AND TRADEMARK OFFICE HARI.006USQ

APPLICANT

ELIYAHOU HARARI et al.

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U. S. PATENT DOCUMENTS

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	Al	3	8	9	5	3	6	0	7/75	Cricchi et al.			
	A2	3	8	9	8	6	3	2	8/75	Spencer, Jr.			
	A3	3 3 9 0 6 4 5 5					5	5	9/75	Houston et al.			
	A4	3	9	1	4	7	5	0	10/75	Hadden, Jr.			
-	A5	4	0	4	4	3	3	9	8/77	Berg			
	A6	4	0	5	8	7	9	9	11/77	George et al.			
	A7	4	0	6	4	4	0	5	12/77	Cricchi et al.			
	A8	4	1	1	5	8	5	0	9/78	Houston et al.			
	A9	4	1	3	0	8	9	0	12/78	Adam			
	A10	4	1	4	1	0	8	1	2/79	Horne et al.			
	All	4	1	9	3	1	2	8	3/80	Brewer			

FOREIGN PATENT DOCUMENTS

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В1	JP	58	0	8	6	7	7	7	1983	apan		Abstract
B2	JP	58	2	1	5	7	9	4	1983	apan		Abstract
 В3	JP	58	2	1	5	7	9	5	1983	apan		Yes
В4	JP	59	1	6	2	6	9	5	1984	apan		Abstract
B5	JP	62	2	8	3	4	9	7	1987	apan		Abstract

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

- C1 Flash Memory Cards, Oct. 1992, pp. 4-91, 4-95, and 4-96.
- C2 Cricchi et al., "Nonvolitile Block-Oriented RAM", IEEE International Solid-State Circuits Conference, Feb, 13-15, 1974, Digest of Technical Papers.
- C3 Brewer et al., "Block-Oriented Random Acess MNOS Memory", National Computer Conference and Exposition, Chicago, May 6-10, 1974, AFIPS Conference Proceedings, vol 43. Pp. 837-840.

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	A13	4	4	1	2	3	0	9		10/83	Kuo		\ <u>.</u>		-	
	A14	4	4	2	8	0	4	7		1/84	Hayn et al.			 		
	A15	4	4	3	3	3	8	7		2/84	Dyer et al.					
	A16	4	5	2	7	2	5	7		7/85	Cricchi					
	A17	4	8	6	0	2	6	2		8/89	Chiu					
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	A20		9	2	0	4	7	8		4/90	Furuya et al.					
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	В7	JP	62	2	8	3	4	9	6	1987	Japan				Yes	
	B8	JP	63	1	8	3	7	0	0	1988	Japan				Abstract	
	B9	JP	58	0	8	6	7	7	7	1983	Japan				Abstract	
	B10	JP	52	0	0	8	7	3	8	1977	Japan				Abstract	
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	A27	5	2	2	4	0	7	0		6/93	Fandrich et al				
	A28	5	2	6	7	2	1	8		11/93	Elbert		-	<u> </u>	
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	A30	5 3 4 1 3 3 0								8/94	Wells et al.	Wells et al.			
	A31	5	5 3 6 3 3 3 4							11/94	Alexander et a	al.			
	A32	5	4	1	8	7	5	2		5/95	Harari et al.				
	A33	5	6	4	8	9	2	9		7/97	Miyamoto				
	A34	5	5 7 1 9 8 0 8 2/98 Harari et al.												
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	B13	JP	63	2	2	5	9	9	9	1988	Japan				Abstrac
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	C10						rogi	amn	nabl	e Solid-State l	Memories", EDN	, pp. 145-154, Novem	ber 14, 1985,	pp. 145-1	54.
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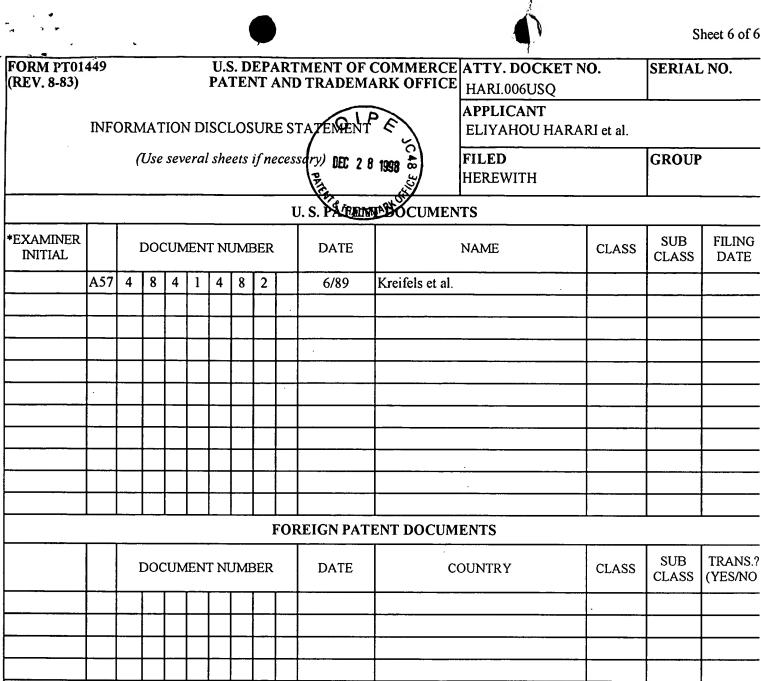


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	A37	4	9	3	9	6	9	0		7/90	Momodomi et	al.				
	A38	4	9	5	3	1	2	9		8/90	Kobayashi et	al.				
	A39	5	0	3	3	0	2	3		7/91	Hsia et al.	•				
	A40	4	8	6	0	2	2	8		8/89	Carroll					
	A41	4	8	1	1	2	9	3		3/89	Knothe et al.					
	A42	4	7	9	6	2	3	5		1/89.	Sparks et al.					
	A43	4	7	5	8	9	8	8		7/88	Kuo					
	A44	4	7	5	8	9	8	6		- 7/88	Kuo					
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	A48	5	2	6	8	8	7	0		12/93	Harari						
	A49	5	1	6	8	4	6	5		12/92	Harari						
	A50	4	8	6	0	2	6	1		8/89	Kreifels et al.						
	A51	4	8	1	1	2	9	4		3/89	Kobayashi et a	al.					
	A52	4 7 6 3 3 0 5								8/88	Kuo						
	A53	5	0	4	3	9	4	0	L	8/91	Harari						
	A54	4	4	6	0	9	8	2		7/84	Gee et al.						
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